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(FILE 'HOME' ENTERED AT 11:53:25 ON 27 DEC 2002)

FILE 'BIOSIS, CABA, CAPLUS, EMBASE, LIFESCI, MEDLINE, SCISEARCH,  
USPATFULL, JAPIO' ENTERED AT 11:53:29 ON 27 DEC 2002

L1	11 S ANTIBACTERIAL COMPOSITION AND PHARMACEUTICAL EXCIPIENT
L2	14511 S ANTIBACTERIAL AGENT AND COMPOSITION
L3	1621 S L2 AND PHARMACEUTICAL CARRIER
L4	824 S L3 AND CANDIDATE
L5	216 S L4 AND STREPTOCOCCUS
L6	189 S L5 AND PNEUMONIAE
L7	0 S L6 AND YNES
L8	0 S L6 AND S-YNES
L9	187 S L6 AND INTERACTION
L10	169 S L9 AND TEST(L) COMPOUND
L11	49 S L10 AND GROWTH

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Search Hist  
and Seq in Search  
10,068,080

FILE 'HOME' ENTERED AT 11:53:25 ON 27 DEC 2002

=> FIL BIOSIS,CABA,CAPLUS,EMBASE,LIFESCI,MEDLINE,SCISEARCH,USPATFULL,JAPIO  
COST IN U.S. DOLLARS

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COPYRIGHT (C) 2002 Japanese Patent Office (JPO)- JAPIO

=> s antibacterial composition and pharmaceutical excipient  
L1 11 ANTIBACTERIAL COMPOSITION AND PHARMACEUTICAL EXCIPIENT

=> d l1 1-11 ibib abs

✓ L1 ANSWER 1 OF 11 USPATFULL  
ACCESSION NUMBER: 2002:272801 USPATFULL  
TITLE: Compositions and methods for the therapy and diagnosis  
of colon cancer  
INVENTOR(S): Stolk, John A., Bothell, WA, UNITED STATES  
Xu, Jiangchun, Bellevue, WA, UNITED STATES  
Chenault, Ruth A., Seattle, WA, UNITED STATES  
Meagher, Madeleine Joy, Seattle, WA, UNITED STATES  
PATENT ASSIGNEE(S): Corixa Corporation, Seattle, WA, UNITED STATES, 98104  
(U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002150922	A1	20021017
APPLICATION INFO.:	US 2001-998598	A1	20011116 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-304037P	20010710 (60)
	US 2001-279670P	20010328 (60)
	US 2001-267011P	20010206 (60)
	US 2000-252222P	20001120 (60)

DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: SEED INTELLECTUAL PROPERTY LAW GROUP PLLC, 701 FIFTH

AVE, SUITE 6300, SEATTLE, WA, 98104-7092

NUMBER OF CLAIMS: 17  
EXEMPLARY CLAIM: 1  
LINE COUNT: 9233

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Compositions and methods for the therapy and diagnosis of cancer, particularly colon cancer, are disclosed. Illustrative compositions comprise one or more colon tumor polypeptides, immunogenic portions thereof, polynucleotides that encode such polypeptides, antigen presenting cell that expresses such polypeptides, and T cells that are specific for cells expressing such polypeptides. The disclosed compositions are useful, for example, in the diagnosis, prevention and/or treatment of diseases, particularly colon cancer.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L1 ANSWER 2 OF 11 USPATFULL

ACCESSION NUMBER: 2002:243051 USPATFULL  
TITLE: Compositions and methods for the therapy and diagnosis of ovarian cancer  
INVENTOR(S): Algate, Paul A., Issaquah, WA, UNITED STATES  
Jones, Robert, Seattle, WA, UNITED STATES  
Harlocker, Susan L., Seattle, WA, UNITED STATES  
PATENT ASSIGNEE(S): Corixa Corporation, Seattle, WA, UNITED STATES, 98104 (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002132237	A1	20020919
APPLICATION INFO.:	US 2001-867701	A1	20010529 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-207484P	20000526 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	SEED INTELLECTUAL PROPERTY LAW GROUP PLLC, 701 FIFTH AVE, SUITE 6300, SEATTLE, WA, 98104-7092	
NUMBER OF CLAIMS:	11	
EXEMPLARY CLAIM:	1	
LINE COUNT:	25718	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Compositions and methods for the therapy and diagnosis of cancer, particularly ovarian cancer, are disclosed. Illustrative compositions comprise one or more ovarian tumor polypeptides, immunogenic portions thereof, polynucleotides that encode such polypeptides, antigen presenting cell that expresses such polypeptides, and T cells that are specific for cells expressing such polypeptides. The disclosed compositions are useful, for example, in the diagnosis, prevention and/or treatment of diseases, particularly ovarian cancer.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L1 ANSWER 3 OF 11 USPATFULL

ACCESSION NUMBER: 2002:242791 USPATFULL  
TITLE: Compositions and methods for the therapy and diagnosis of colon cancer  
INVENTOR(S): King, Gordon E., Shoreline, WA, UNITED STATES  
Meagher, Madeleine Joy, Seattle, WA, UNITED STATES  
Xu, Jiangchun, Bellevue, WA, UNITED STATES  
Secrist, Heather, Seattle, WA, UNITED STATES  
PATENT ASSIGNEE(S): Corixa Corporation, Seattle, WA, UNITED STATES (U.S. corporation)

NUMBER	KIND	DATE
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PATENT INFORMATION: US 2002131971 A1 20020919  
 APPLICATION INFO.: US 2001-33528 A1 20011226 (10)  
 RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 2001-920300, filed  
 on 31 Jul 2001, PENDING

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-302051P	20010629 (60)
	US 2001-279763P	20010328 (60)
	US 2000-223283P	20000803 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	SEED INTELLECTUAL PROPERTY LAW GROUP PLLC, 701 FIFTH AVE, SUITE 6300, SEATTLE, WA, 98104-7092	
NUMBER OF CLAIMS:	17	
EXEMPLARY CLAIM:	1	
LINE COUNT:	8083	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Compositions and methods for the therapy and diagnosis of cancer, particularly colon cancer, are disclosed. Illustrative compositions comprise one or more colon tumor polypeptides, immunogenic portions thereof, polynucleotides that encode such polypeptides, antigen presenting cell that expresses such polypeptides, and T cells that are specific for cells expressing such polypeptides. The disclosed compositions are useful, for example, in the diagnosis, prevention and/or treatment of diseases, particularly colon cancer.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L1 ANSWER 4 OF 11 USPATFULL  
 ACCESSION NUMBER: 92:20999 USPATFULL  
 TITLE: Oxapenem-3-carboxylic acids  
 INVENTOR(S): Pfaendler, Hans R., Munich, Germany, Federal Republic  
 of  
 Hendel, Wolfram, Cologne, Germany, Federal Republic of  
 PATENT ASSIGNEE(S): Bayer Aktiengesellschaft, Leverkusen, Germany, Federal  
 Republic of (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5096899		19920317
APPLICATION INFO.:	US 1990-574573		19900824 (7)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1989-382596, filed on 19 Jul 1989, now abandoned which is a continuation of Ser. No. US 1988-226255, filed on 29 Jul 1988, now abandoned		

	NUMBER	DATE
PRIORITY INFORMATION:	DE 1987-3725375	19870731
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Berch, Mark L.	
LEGAL REPRESENTATIVE:	Sprung Horn Kramer & Woods	
NUMBER OF CLAIMS:	12	
EXEMPLARY CLAIM:	1,11	
LINE COUNT:	1491	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Compounds of the structural formulae ##STR1## and their pharmaceutically acceptable salts, esters and amide derivatives, in which R.sup.1 and R.sup.2, independently of one another, denote hydrogen or pharmaceutically acceptable groups which have 1 to 10 carbon atoms and are bonded to the remaining part of the molecule via carbon-carbon single bonds, and in which R.sup.3, R.sup.4 and R.sup.5, independently of one another, denote pharmaceutically acceptable groups which have 1 to 10 carbon atoms and are bonded to the remaining part of the molecule via carbon-carbon single bonds, are useful antibiotics.

The trisubstitution by three groups R.sup.3, R.sup.4 and R.sup.5, which are bonded via carbon-carbon single bonds, results in a noticeable increase in the hydrolysis stability and thus also in the antibacterial action of axapenemcarboxylic acids.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L1 ANSWER 5 OF 11 USPATFULL

ACCESSION NUMBER: 90:79898 USPATFULL  
TITLE: L-654,040, antibacterial agent  
INVENTOR(S): Currie, Sara A., Roselle, NJ, United States  
Miller, Thomas W., Carteret, NJ, United States  
Dulaney, Eugene L., Summit, NJ, United States  
Springer, James P., Mountainside, NJ, United States  
Valiant, Mary E., Plainfield, NJ, United States  
Mochales del Val, Sagrario, Madrid, Spain  
Zimmerman, Sheldon B., Springfield, NJ, United States  
PATENT ASSIGNEE(S): Merck & Co., Inc., Rahway, NJ, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4963569		19901016
APPLICATION INFO.:	US 1989-364744		19890609 (7)
RELATED APPLN. INFO.:	Division of Ser. No. US 1988-164707, filed on 7 Mar 1988, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Bond, Robert T.		
LEGAL REPRESENTATIVE:	Daniel, Mark R., Caruso, Charles M.		
NUMBER OF CLAIMS:	2		
EXEMPLARY CLAIM:	1,2		
NUMBER OF DRAWINGS:	1 Drawing Figure(s); 1 Drawing Page(s)		
LINE COUNT:	536		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB L-654,040 of the structure: ##STR1## is a novel antibacterial and isolated from the novel organism Streptoverticillium synroense, strain MA6011, deposited at the ATCC.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L1 ANSWER 6 OF 11 USPATFULL

ACCESSION NUMBER: 88:14700 USPATFULL  
TITLE: Derivatives of 2,6-diamino-3-haloheptanedioic acid  
INVENTOR(S): Bohme, Ekkehard H., Cincinnati, OH, United States  
Gerhart, Fritz, Kehl Leutesheim, Germany, Federal Republic of  
Higgins, William, Strasbourg, France  
PATENT ASSIGNEE(S): Merrell Dow Pharmaceuticals Inc., Cincinnati, OH, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4730006		19880308
APPLICATION INFO.:	US 1986-822436		19860127 (6)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Phillips, Delbert R.		
LEGAL REPRESENTATIVE:	Nesbitt, Stephen L.		
NUMBER OF CLAIMS:	16		
EXEMPLARY CLAIM:	1		
LINE COUNT:	1443		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB This invention relates to amino acid, dipeptide and tripeptide derivatives of 2,6-diamino-3-haloheptanedioic acids, processes for

preparing the same, and their use as antibacterial agents.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L1 ANSWER 7 OF 11 USPATFULL

ACCESSION NUMBER: 87:39906 USPATFULL

TITLE: R-(Z)-4-amino-3-chloro-2-pentenedioic acid, novel antibacterial agent

INVENTOR(S): Chalet, Louis, Springfield, NJ, United States  
Zimmerman, Sheldon B., Springfield, NJ, United States  
Monaghan, Richard L., Somerset, NJ, United States  
Martin, Maria I., Madrid, Spain

PATENT ASSIGNEE(S): Merck & Co., Inc., Rahway, NJ, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4670466		19870602
APPLICATION INFO.:	US 1985-778118		19850920 (6)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1985-719067, filed on 3 Apr 1985, now patented, Pat. No. US 4600691 which is a division of Ser. No. US 1984-541174, filed on 12 Oct 1984, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Shippen, Michael L.		
LEGAL REPRESENTATIVE:	Abrams, Samuel B., Pfeiffer, Hesna J.		
NUMBER OF CLAIMS:	3		
EXEMPLARY CLAIM:	1,2,3		
LINE COUNT:	432		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB R-(Z)-4-amino-3-chloro-2-pentenedioic acid is a novel antibacterial and isolated from Streptomyces viridogenes MA5450, ATCC 39387.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L1 ANSWER 8 OF 11 USPATFULL

ACCESSION NUMBER: 86:15526 USPATFULL

TITLE: Cephalosporin compound and process for preparing the same

INVENTOR(S): Wagatsuma, Mitsuyoshi, Urawa, Japan  
Hatsuno, Susumu, Kawaguchi, Japan  
Yamaguchi, Totaro, Urawa, Japan  
Ohshima, Satoshi, Iwatsuki, Japan

PATENT ASSIGNEE(S): Tanabe Seiyaku Co., Ltd., Osaka, Japan (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4576938		19860318
APPLICATION INFO.:	US 1982-447809		19821208 (6)

	NUMBER	DATE
PRIORITY INFORMATION:	GB 1981-37018	19811208
	GB 1982-31243	19821102

DOCUMENT TYPE: Utility

FILE SEGMENT: Granted

PRIMARY EXAMINER: Daus, Donald G.

ASSISTANT EXAMINER: Ceperley, Mary E.

LEGAL REPRESENTATIVE: Birch, Stewart, Kolasch & Birch

NUMBER OF CLAIMS: 5

EXEMPLARY CLAIM: 4

LINE COUNT: 1544

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A cephalosporin compound of the formula: ##STR1## wherein R.sup.1 is a

hydrogen atom, a lower alkyl group, a carboxy(lower)alkyl group, a hydroxy(lower)alkyl group, a carbamoyl(lower)alkyl group, an N-(lower)alkyl-carbamoyl(lower)alkyl group, a cycloalkyl group, a carboxycycloalkyl group, or a tetrazolylmethyl group, R.sup.2 is a hydrogen atom, a lower alkyl group, a formyl group or a lower alkanol group, R.sup.3 is a hydrogen atom, or R.sup.2 and R.sup.3 are combined together to form an aralkylidene group, or a pharmaceutically acceptable salt thereof which is useful as an antimicrobial agent, and process for their preparation.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L1 ANSWER 9 OF 11 USPATFULL

ACCESSION NUMBER: 82:3352 USPATFULL  
TITLE: Discovery of MSD A63A, a new efrotomycin-line antibiotic fermentation broth  
INVENTOR(S): Hernandez, Sebastian, Madrid, Spain  
Zimmerman, Sheldon B., Springfield, NJ, United States  
Gullo, Vincent P., Edison, NJ, United States  
Dewey, Ray S., Martinsville, NJ, United States  
PATENT ASSIGNEE(S): Merck & Co., Inc., Rahway, NJ, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4311693		19820119
APPLICATION INFO.:	US 1980-207575		19801117 (6)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Goldberg, Jerome D.		
LEGAL REPRESENTATIVE:	Mahon, Frank M., Pfeiffer, Hesna J.		
NUMBER OF CLAIMS:	4		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	2 Drawing Figure(s); 2 Drawing Page(s)		
LINE COUNT:	512		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The antibiotic MSD A63A, having antibacterial and growth-permittant activity, is produced by fermentation of Streptovercillum hiroshimense MA4845 (ATCC 31586), in a suitable nutrient media.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L1 ANSWER 10 OF 11 USPATFULL

ACCESSION NUMBER: 75:69088 USPATFULL  
TITLE: Antibiotic Ensanchomycin  
INVENTOR(S): Stapley, Edward O., Metuchen, NJ, United States  
Mata, Justo Martinez, Madrid, Spain  
PATENT ASSIGNEE(S): Merck & Co., Inc., Rahway, NJ, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 3927210		19751216
APPLICATION INFO.:	US 1974-477251		19740607 (5)
RELATED APPLN. INFO.:	Division of Ser. No. US 1973-415185, filed on 12 Nov 1973, now Defensive Publication No.		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Goldberg, Jerome D.		
LEGAL REPRESENTATIVE:	Patton, Walter, Levitt, Julian S., Anderson, Jr., Rudolph J.		
NUMBER OF CLAIMS:	4		
EXEMPLARY CLAIM:	2		
NUMBER OF DRAWINGS:	1 Drawing Figure(s); 1 Drawing Page(s)		
LINE COUNT:	836		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB This invention relates to a new phosphorous-containing antibiotic designated MSD 820A, and is hereafter known as Ensanchomycin. The antibiotic is produced by culturing the microorganism Streptomyces cinnamomensis or the microorganism Streptomyces melanogenes. Ensanchomycin possesses antibacterial activity against both gram-positive and gram-negative bacteria. This invention relates to a new antibiotic substance, to methods for its use, production by fermentation and also to methods for its concentration, purification and isolation.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L1 ANSWER 11 OF 11 USPATFULL  
ACCESSION NUMBER: 72:39276 USPATFULL  
TITLE: ANTIBACTERIAL COMPOSITIONS  
INVENTOR(S): Davies, Gareth Morse, Macclesfield, England  
PATENT ASSIGNEE(S): Imperial Chemical Industries Limited, London, England

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 3681493		19720801
APPLICATION INFO.:	US 1970-76215		19700928 (5)

	NUMBER	DATE
PRIORITY INFORMATION:	GB 1969-50469	19691014
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Goldberg, Jerome D.	
LEGAL REPRESENTATIVE:	Cushman, Darby and Cushman	
NUMBER OF CLAIMS:	7	
LINE COUNT:	173	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention provides pharmaceutical and veterinary compositions including as active ingredient a known derivative of di-(2-thienyl)borinic acid or phenyl-2-thienylborinic acid, for use in the treatment of bacterial infections, particularly those caused by Gram-negative bacteria.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> s antibacterial agent and composition  
L2 14511 ANTIBACTERIAL AGENT AND COMPOSITION

=> s l2 and pharmaceutical carrier  
L3 1621 L2 AND PHARMACEUTICAL CARRIER

=> s l3 and candidate  
L4 824 L3 AND CANDIDATE

=> s l4 and streptococcus  
L5 216 L4 AND STREPTOCOCCUS

=> s l5 and pneumoniae  
L6 189 L5 AND PNEUMONIAE

=> s l6 and ynes  
L7 0 L6 AND YNES

=> s l6 and S-ynes  
L8 0 L6 AND S-YNES

=> s l6 and interaction  
L9 187 L6 AND INTERACTION



=> s 19 and test(1)compound  
L10 169 L9 AND TEST(L) COMPOUND

=> s 110 and growth  
L11 49 L10 AND GROWTH

=> d 111 ibib abs 1-49

L11 ANSWER 1 OF 49 USPATFULL

ACCESSION NUMBER: 2002:336863 USPATFULL  
TITLE: Methods for regulation of immune responses to  
conditions involving mediator-induced pathology  
INVENTOR(S): Calandra, Thierry, Lausanne, SWITZERLAND  
Roger, Thierry, Lausanne, SWITZERLAND  
Glauser, Michel P., Lausanne, SWITZERLAND

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002192217	A1	20021219
APPLICATION INFO.:	US 2002-94732	A1	20020307 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-274004P	20010307 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	MINTZ, LEVIN, COHN, FERRIS,, GLOVSKY and POPEO, P.C., One Financial Center, Boston, MA, 02111	
NUMBER OF CLAIMS:	29	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	9 Drawing Page(s)	
LINE COUNT:	2979	

AB The present invention relates to methods for inhibiting the release and/or biological activity of the cytokine macrophage migration inhibitory factor (MIF). In particular, the invention relates to the uses of such methods for the treatment of various conditions involving mediator-induced diseases or pathology, which include, but are not limited to sepsis, severe sepsis, septic shock, inflammation, graft versus host disease, and/or autoimmune diseases.

L11 ANSWER 2 OF 49 USPATFULL

ACCESSION NUMBER: 2002:308332 USPATFULL  
TITLE: LicD1  
INVENTOR(S): Lonetto, Michael Arthur, Collegeville, PA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002173457	A1	20021121
APPLICATION INFO.:	US 2001-820473	A1	20010329 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1998-24024, filed on 16 Feb 1998, PATENTED		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1997-39581P	19970228 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	DECHERT, ATTN: ALLEN BLOOM, ESQ, 4000 BELL ATLANTIC TOWER, 1717 ARCH STREET, PHILADELPHIA, PA, 19103	
NUMBER OF CLAIMS:	16	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1719	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention provides licD1 polypeptides and polynucleotides encoding

licD1 polypeptides and methods for producing such polypeptides by recombinant techniques. Also provided are methods for utilizing licD1 polypeptides to screen for antibacterial compounds.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 3 OF 49 USPATFULL

ACCESSION NUMBER: 2002:301592 USPATFULL  
TITLE: Regulation of amyloid precursor protein expression by modification of ABC transporter expression or activity  
INVENTOR(S): Reiner, Peter B., Vancouver, CANADA  
Connop, Bruce P., Vancouver, CANADA  
Pollard, Michelle, Vancouver, CANADA  
PATENT ASSIGNEE(S): Active Pass Pharmaceuticals, Inc., Vancouver, CANADA, V5Z 4H5 (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002169137	A1	20021114
APPLICATION INFO.:	US 2002-72621	A1	20020208 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-267975P	20010209 (60)
	US 2001-309256P	20010731 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	SEED INTELLECTUAL PROPERTY LAW GROUP PLLC, 701 FIFTH AVE, SUITE 6300, SEATTLE, WA, 98104-7092	
NUMBER OF CLAIMS:	19	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	1 Drawing Page(s)	
LINE COUNT:	3827	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to the discovery that expression of amyloid precursor protein is regulated by the expression of an ABC transporter. The invention therefore provides methods and **compositions** for modulating amyloid precursor protein expression in a brain cell, thereby preventing or inhibiting pathological .beta.-amyloid plaque formation in conditions such as Alzheimer's disease.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 4 OF 49 USPATFULL

ACCESSION NUMBER: 2002:272801 USPATFULL  
TITLE: **Compositions** and methods for the therapy and diagnosis of colon cancer  
INVENTOR(S): Stolk, John A., Bothell, WA, UNITED STATES  
Xu, Jiangchun, Bellevue, WA, UNITED STATES  
Chenault, Ruth A., Seattle, WA, UNITED STATES  
Meagher, Madeleine Joy, Seattle, WA, UNITED STATES  
PATENT ASSIGNEE(S): Corixa Corporation, Seattle, WA, UNITED STATES, 98104 (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002150922	A1	20021017
APPLICATION INFO.:	US 2001-998598	A1	20011116 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-304037P	20010710 (60)
	US 2001-279670P	20010328 (60)
	US 2001-267011P	20010206 (60)
	US 2000-252222P	20001120 (60)
DOCUMENT TYPE:	Utility	

FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: SEED INTELLECTUAL PROPERTY LAW GROUP PLLC, 701 FIFTH  
AVE, SUITE 6300, SEATTLE, WA, 98104-7092  
NUMBER OF CLAIMS: 17  
EXEMPLARY CLAIM: 1  
LINE COUNT: 9233

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB **Compositions** and methods for the therapy and diagnosis of cancer, particularly colon cancer, are disclosed. Illustrative **compositions** comprise one or more colon tumor polypeptides, immunogenic portions thereof, polynucleotides that encode such polypeptides, antigen presenting cell that expresses such polypeptides, and T cells that are specific for cells expressing such polypeptides. The disclosed **compositions** are useful, for example, in the diagnosis, prevention and/or treatment of diseases, particularly colon cancer.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 5 OF 49 USPATFULL

ACCESSION NUMBER: 2002:243051 USPATFULL  
TITLE: **Compositions** and methods for the therapy and diagnosis of ovarian cancer  
INVENTOR(S): Algate, Paul A., Issaquah, WA, UNITED STATES  
Jones, Robert, Seattle, WA, UNITED STATES  
Harlocker, Susan L., Seattle, WA, UNITED STATES  
PATENT ASSIGNEE(S): Corixa Corporation, Seattle, WA, UNITED STATES, 98104 (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002132237	A1	20020919
APPLICATION INFO.:	US 2001-867701	A1	20010529 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-207484P	20000526 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	SEED INTELLECTUAL PROPERTY LAW GROUP PLLC, 701 FIFTH AVE, SUITE 6300, SEATTLE, WA, 98104-7092	
NUMBER OF CLAIMS:	11	
EXEMPLARY CLAIM:	1	
LINE COUNT:	25718	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB **Compositions** and methods for the therapy and diagnosis of cancer, particularly ovarian cancer, are disclosed. Illustrative **compositions** comprise one or more ovarian tumor polypeptides, immunogenic portions thereof, polynucleotides that encode such polypeptides, antigen presenting cell that expresses such polypeptides, and T cells that are specific for cells expressing such polypeptides. The disclosed **compositions** are useful, for example, in the diagnosis, prevention and/or treatment of diseases, particularly ovarian cancer.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 6 OF 49 USPATFULL

ACCESSION NUMBER: 2002:242791 USPATFULL  
TITLE: **Compositions** and methods for the therapy and diagnosis of colon cancer  
INVENTOR(S): King, Gordon E., Shoreline, WA, UNITED STATES  
Meagher, Madeleine Joy, Seattle, WA, UNITED STATES  
Xu, Jiangchun, Bellevue, WA, UNITED STATES  
Secrist, Heather, Seattle, WA, UNITED STATES  
PATENT ASSIGNEE(S): Corixa Corporation, Seattle, WA, UNITED STATES (U.S.)

corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002131971	A1	20020919
APPLICATION INFO.:	US 2001-33528	A1	20011226 (10)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2001-920300, filed on 31 Jul 2001, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-302051P	20010629 (60)
	US 2001-279763P	20010328 (60)
	US 2000-223283P	20000803 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	SEED INTELLECTUAL PROPERTY LAW GROUP PLLC, 701 FIFTH AVE, SUITE 6300, SEATTLE, WA, 98104-7092	
NUMBER OF CLAIMS:	17	
EXEMPLARY CLAIM:	1	
LINE COUNT:	8083	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB **Compositions** and methods for the therapy and diagnosis of cancer, particularly colon cancer, are disclosed. Illustrative **compositions** comprise one or more colon tumor polypeptides, immunogenic portions thereof, polynucleotides that encode such polypeptides, antigen presenting cell that expresses such polypeptides, and T cells that are specific for cells expressing such polypeptides. The disclosed **compositions** are useful, for example, in the diagnosis, prevention and/or treatment of diseases, particularly colon cancer.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 7 OF 49 USPATFULL

ACCESSION NUMBER: 2002:221370 USPATFULL

TITLE: gcp

INVENTOR(S): Biswas, Sanjoy, Paoli, PA, UNITED STATES  
Chalker, Alison Frances, Trappe, PA, UNITED STATES  
Holmes, David, West Chester, PA, UNITED STATES  
Ingraham, Karen A., Auburn, PA, UNITED STATES  
Palmer, Leslie Marie, Audubon, PA, UNITED STATES  
Ray, Jennifer E., State College, PA, UNITED STATES  
Warren, Richard Lloyd, Blue Bell, PA, UNITED STATES  
Zalacain, Magdalena, West Chester, PA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002119510	A1	20020829
APPLICATION INFO.:	US 2001-923656	A1	20010807 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1998-66512, filed on 24 Apr 1998, PATENTED		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	DECHERT, ATTN: ALLEN BLOOM, ESQ, 4000 BELL ATLANTIC TOWER, 1717 ARCH STREET, PHILADELPHIA, PA, 19103		
NUMBER OF CLAIMS:	15		
EXEMPLARY CLAIM:	1		
LINE COUNT:	2659		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention provides gcp polypeptides and polynucleotides encoding gcp polypeptides and methods for producing such polypeptides by recombinant techniques. Also provided are methods for utilizing gcp polypeptides to screen for antibacterial compounds.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 8 OF 49 USPATFULL

ACCESSION NUMBER: 2002:191636 USPATFULL  
TITLE: licD1  
INVENTOR(S): Lonetto, Michael Arthur, Collegeville, PA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002102701	A1	20020801
APPLICATION INFO.:	US 2001-820408	A1	20010329 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1998-24024, filed on 16 Feb 1998, PATENTED		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1997-39581P	19970228 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	DECHERT, ATTN: ALLEN BLOOM, ESQ, 4000 BELL ATLANTIC TOWER, 1717 ARCH STREET, PHILADELPHIA, PA, 19103	
NUMBER OF CLAIMS:	27	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1789	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention provides licD1 polypeptides and polynucleotides encoding licD1 polypeptides and methods for producing such polypeptides by recombinant techniques. Also provided are methods for utilizing licD1 polypeptides to screen for antibacterial compounds.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 9 OF 49 USPATFULL

ACCESSION NUMBER: 2002:172518 USPATFULL  
TITLE: Steroid derived antibiotics  
INVENTOR(S): Savage, Paul B., Springville, UT, UNITED STATES  
Li, Chunhong, Provo, UT, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002091278	A1	20020711
APPLICATION INFO.:	US 2001-930316	A1	20010815 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1999-234008, filed on 19 Jan 1999, PATENTED Continuation-in-part of Ser. No. WO 1998-US4489, filed on 6 Mar 1998, UNKNOWN		

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-225467P	20000815 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	JOHN W. FREEMAN, ESQ., Fish & Richardson P.C., 225 Franklin Street, Boston, MA, 02110-2804	
NUMBER OF CLAIMS:	58	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	10 Drawing Page(s)	
LINE COUNT:	3770	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A series of novel steroid derivatives are described. The steroid derivatives are **antibacterial agents**. The steroid derivatives also act to sensitize bacteria to other antibiotics including erythromycin and novobiocin.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 10 OF 49 USPATFULL

ACCESSION NUMBER: 2002:172476 USPATFULL  
 TITLE: Novel ribB  
 INVENTOR(S): Black, Michael Terence, Chester Springs, PA, UNITED STATES  
 Fedon, Jason Craig, Strafford, PA, UNITED STATES  
 Hodgson, John Edward, Malvern, PA, UNITED STATES  
 Knowles, David Justin Charles, Boroughbridge, UNITED KINGDOM  
 Lonetto, Michael Arthur, Collegeville, PA, UNITED STATES  
 Kosmatka, Anna Lisa, Doylestown, PA, UNITED STATES  
 Nicholas, Richard Oakley, Collegeville, PA, UNITED STATES  
 Palmer, Leslie Marie, Audubon, PA, UNITED STATES  
 Shilling, Lisa Kathleen, Newtown, PA, UNITED STATES  
 Stodola, Robert King, Flourtown, PA, UNITED STATES  
 Warren, Richard Lloyd, Blue Bell, PA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002091236	A1	20020711
APPLICATION INFO.:	US 2001-861345	A1	20010518 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1997-977555, filed on 25 Nov 1997, GRANTED, Pat. No. US 6252044		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1996-24022P	19960816 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	DECHERT, ATTN: ALLEN BLOOM, ESQ, 4000 BELL ATLANTIC TOWER, 1717 ARCH STREET, PHILADELPHIA, PA, 19103	
NUMBER OF CLAIMS:	24	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1758	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention provides ribB polypeptides and polynucleotides encoding ribB polypeptides and methods for producing such polypeptides by recombinant techniques. Also provided are methods for utilizing ribB polypeptides to screen for antibacterial compounds.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 11 OF 49 USPATFULL

ACCESSION NUMBER: 2002:164767 USPATFULL  
 TITLE: Novel era  
 INVENTOR(S): Black, Michael Terence, Chester Springs, PA, UNITED STATES  
 Hodgson, John Edward, Malvern, PA, UNITED STATES  
 Knowles, David Justin Charles, Boroughbridge, UNITED KINGDOM  
 Lonetto, Michael Arthur, Collegeville, PA, UNITED STATES  
 Nicholas, Richard Oakley, Collegeville, PA, UNITED STATES  
 Palmer, Leslie Marie, Audubon, PA, UNITED STATES  
 Reid, Robert, East Norriton, PA, UNITED STATES  
 Rosenberg, Martin, Royersford, PA, UNITED STATES  
 Zarfes, Phillip, Norristown, PA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002086385	A1	20020704
APPLICATION INFO.:	US 2001-820407	A1	20010329 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1997-965130, filed on 6 Nov 1997, GRANTED, Pat. No. US 6287803		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1996-31879P	19961127 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	DECHERT, ATTN: ALLEN BLOOM, ESQ, 4000 BELL ATLANTIC TOWER, 1717 ARCH STREET, PHILADELPHIA, PA, 19103	
NUMBER OF CLAIMS:	20	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1608	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		
AB	The invention provides era polypeptides and DNA (RNA) encoding era polypeptides and methods for producing such polypeptides by recombinant techniques. Also provided are methods for utilizing era polypeptides to screen for antibacterial compounds.	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 12 OF 49 USPATFULL

ACCESSION NUMBER: 2002:164690 USPATFULL  
 TITLE: Ribosome structure and protein synthesis inhibitors  
 INVENTOR(S): Steitz, Thomas A., Branford, CT, UNITED STATES  
 Moore, Peter B., New Haven, CT, UNITED STATES  
 Ban, Nenad, Riedenhalden, SWITZERLAND  
 Nissen, Poul, Aarhus N, DENMARK  
 Hansen, Jeffrey, New Haven, CT, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002086308	A1	20020704
APPLICATION INFO.:	US 2001-922251	A1	20010803 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2000-653708, filed on 1 Sep 2000, GRANTED, Pat. No. US 6265725		

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-223977P	20000809 (60)
	US 2001-306996P	20010720 (60)
	US 309281P	(60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	MORGAN LEWIS & BOCKIUS LLP, 1111 PENNSYLVANIA AVENUE, N.W., WASHINGTON, DC, 20004	
NUMBER OF CLAIMS:	112	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	30 Drawing Page(s)	
LINE COUNT:	6385	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		
AB	The invention provides methods for producing high resolution crystals of ribosomes and ribosomal subunits as well as crystals produced by such methods. The invention also provides high resolution structures of ribosomal subunits either alone or in combination with protein synthesis inhibitors. The invention provides methods for identifying ribosome-related ligands and methods for designing ligands with specific ribosome-binding properties as well as ligands that may act as protein synthesis inhibitors. Thus, the methods and compositions of the invention may be used to produce ligands that are designed to specifically kill or inhibit the growth of any target organism.	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 13 OF 49 USPATFULL

ACCESSION NUMBER: 2002:157629 USPATFULL  
 TITLE: Novel prokaryotic polynucleotides, polypeptides and

INVENTOR(S): their uses  
 Black, Michael Terence, Le Vesinet, FRANCE  
 Hodgson, John Edward, Paris, FRANCE  
 Knowles, David Justin Charles, Boroughbridge, UNITED KINGDOM  
 Reichard, Raymond Winfield, Quakertown, PA, UNITED STATES  
 Nicholas, Richard O., Collegeville, PA, UNITED STATES  
 Burnham, Martin Karl Russel, Barto, PA, UNITED STATES  
 Pratt, Julie M., Wigston Leicester, UNITED KINGDOM  
 Rosenberg, Martin, Royersford, PA, UNITED STATES  
 Ward, Judith M., Dorking Surrey, UNITED KINGDOM  
 Lonetto, Michael Arthur, Collegeville, PA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002082234	A1	20020627
APPLICATION INFO.:	US 2001-939980	A1	20010827 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1997-936165, filed on 23 Sep 1997, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1996-27032P	19960924 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	DECHERT, ATTN: ALLEN BLOOM, ESQ, 4000 BELL ATLANTIC TOWER, 1717 ARCH STREET, PHILADELPHIA, PA, 19103	
NUMBER OF CLAIMS:	29	
EXEMPLARY CLAIM:	1	
LINE COUNT:	2179	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention provides novel polypeptides and polynucleotides encoding such polypeptides and methods for producing such polypeptides by recombinant techniques. Also provided are methods for utilizing such polypeptides to screen for antibacterial compounds.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 14 OF 49 USPATFULL  
 ACCESSION NUMBER: 2002:122764 USPATFULL  
 TITLE: Nucleic acid molecules encoding human protease homologs  
 INVENTOR(S): Robison, Keith E., Wilmington, MA, United States  
 PATENT ASSIGNEE(S): Millennium Pharmaceuticals, Inc., Cambridge, MA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6395889	B1	20020528
APPLICATION INFO.:	US 1999-392184		19990909 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	GRANTED		
PRIMARY EXAMINER:	Achutamurthy, Ponnathapu		
ASSISTANT EXAMINER:	Moore, William W.		
LEGAL REPRESENTATIVE:	Alston & Bird LLP		
NUMBER OF CLAIMS:	1		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	0 Drawing Figure(s); 0 Drawing Page(s)		
LINE COUNT:	5266		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to polynucleotides encoding newly identified protease homologs. The invention also relates to the proteases. The invention further relates to methods using the protease polypeptides and polynucleotides as a target for diagnosis and treatment in protease-mediated disorders. The invention further relates to



drug-screening methods using the protease polypeptides and polynucleotides to identify agonists and antagonists for diagnosis and treatment. The invention further encompasses agonists and antagonists based on the protease polypeptides and polynucleotides. The invention further relates to procedures for producing the protease polypeptides and polynucleotides.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 15 OF 49 USPATFULL

ACCESSION NUMBER: 2002:92785 USPATFULL  
TITLE: NOVEL RNASE P  
INVENTOR(S): GRESS, MICHAEL J, WAYNE, PA, UNITED STATES  
HEGG, LISA A, DEVON, PA, UNITED STATES  
LI, HU, COLLEGEVILLE, PA, UNITED STATES  
PRESCOTT, CATHERINE D, CAMBRIDGE, UNITED KINGDOM  
SHAPPELL, AMY M, SHOEMAKERSVILLE, PA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002049311	A1	20020425
APPLICATION INFO.:	US 1999-214474	A1	19990121 (9)
	WO 1998-US18291		19980903
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	DECHERT, ATTN: ALLEN BLOOM, ESQ, 4000 BELL ATLANTIC TOWER, 1717 ARCH STREET, PHILADELPHIA, PA, 19103		
NUMBER OF CLAIMS:	21		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	2 Drawing Page(s)		
LINE COUNT:	2051		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB This invention relates to a novel bacterial ribonucleoprotein complex and the component parts thereof More specifically, this invention relates to RNase P isolated from *S. pneumoniae* and the use of RNase P or components thereof in screens for the identification of antimicrobial compounds and to the use of such compounds in therapy.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 16 OF 49 USPATFULL

ACCESSION NUMBER: 2002:63940 USPATFULL  
TITLE: Inhibitors of multidrug transporters  
INVENTOR(S): Markham, Penelope N., Oak Park, IL, United States  
Mulhearn, Debbie C., Wheaton, IL, United States  
Neyfakh, Alexander A., Oak Park, IL, United States  
Crich, David, Chicago, IL, United States  
Jaber, Mohamad-Rami, Romeoville, IL, United States  
Johnson, Michael E., Winntka, IL, United States  
PATENT ASSIGNEE(S): Influx, Inc., Chicago, IL, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6362229	B1	20020326
APPLICATION INFO.:	US 2000-640890		20000817 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1999-454258, filed on 2 Dec 1999		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1998-110841P	19981204 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Rotman, Alan L.	
ASSISTANT EXAMINER:	Desai, Rita	

LEGAL REPRESENTATIVE: Fulbright & Jaworski, LLP  
NUMBER OF CLAIMS: 8  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 3 Drawing Figure(s); 9 Drawing Page(s)  
LINE COUNT: 2473

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates generally to the fields of bacteriology and mycology. More particularly, the present invention provides novel inhibitors of multidrug transport proteins that may be used in combination with existing **antibacterial agent** and/or antifungal agents to increase the toxic effects of the antimicrobial agents. More specifically, the present invention provides methods and **compositions** for enhancing the antibacterial action of fluoroquinolones by administering fluoroquinolones in combination with an inhibitor of multidrug transporters and of enhancing the antifungal action of azole antifungal agents by administering an azole antifungal agent in combination with an inhibitor of multidrug transporters. **Compositions** comprising indole, urea, quinoline or aromatic amide based inhibitors also are disclosed.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 17 OF 49 USPATFULL

ACCESSION NUMBER: 2002:39914 USPATFULL  
TITLE: Steroid derived antibiotics  
INVENTOR(S): Savage, Paul B., Springville, UT, United States  
Li, Chunhong, Provo, UT, United States  
PATENT ASSIGNEE(S): Brigham Young University, Provo, UT, United States  
(U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6350738	B1	20020226
APPLICATION INFO.:	US 1999-234008		19990119 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. WO 1998-US4489, filed on 6 Mar 1998		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	GRANTED		
PRIMARY EXAMINER:	Badio, Barbara P.		
LEGAL REPRESENTATIVE:	Fish & Richardson P.C.		
NUMBER OF CLAIMS:	14		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	8 Drawing Figure(s); 5 Drawing Page(s)		
LINE COUNT:	3087		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A series of novel steroid derivatives are described. The steroid derivatives are **antibacterial agents**. The steroid derivatives also act to sensitize bacteria to other antibiotics including erythromycin and novobiocin.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 18 OF 49 USPATFULL

ACCESSION NUMBER: 2002:34542 USPATFULL  
TITLE: Prokaryotic polynucleotides polypeptides and their uses  
INVENTOR(S): Black, Michael Terence, Le Vesinet, FRANCE  
Hodgson, John Edward, Paris, FRANCE  
Knowles, David Justin Charles, Boroughbridge, UNITED KINGDOM  
Reichard, Raymond Winfield, Quakertown, PA, United States  
Nicholas, Richard O, Collegeville, PA, United States  
Burnham, Martin Karl Russel, Barto, PA, United States  
Pratt, Julie M, Wigston Leicester, UNITED KINGDOM  
Rosenberg, Martin, Royersford, PA, United States  
Ward, Judith M, Dorking, UNITED KINGDOM

PATENT ASSIGNEE(S): Lonetto, Michael Arthur, Collegeville, PA, United States  
SmithKline Beecham Corporation, Philadelphia, PA, United States (U.S. corporation)  
SmithKline Beecham plc, Brentford, UNITED KINGDOM (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6348582	B1	20020219
APPLICATION INFO.:	US 1997-936165		19970923 (8)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1996-27032P	19960924 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Davenport, Avis M.	
LEGAL REPRESENTATIVE:	Gimmi, Edward R., Deibert, Thomas S., King, William T.	
NUMBER OF CLAIMS:	29	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	0 Drawing Figure(s); 0 Drawing Page(s)	
LINE COUNT:	2052	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention provides novel polypeptides and polynucleotides encoding such polypeptides and methods for producing such polypeptides by recombinant techniques. Also provided are methods for utilizing such polypeptides to screen for antibacterial compounds.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 19 OF 49 USPATFULL

ACCESSION NUMBER: 2002:32692 USPATFULL  
TITLE: Novel spoIIIE  
INVENTOR(S): Chalker, Alison Frances, Trappe, PA, UNITED STATES  
Zalacain Feliu, Maria Magdalena, West Chester, PA, UNITED STATES  
Brown, James Raymond, Berwyn, PA, UNITED STATES  
Bryant, Alexander Philip, Chester Springs, PA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002019515	A1	20020214
APPLICATION INFO.:	US 2001-775978	A1	20010202 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1999-351550, filed on 12 Jul 1999, GRANTED, Pat. No. US 6222016 Division of Ser. No. US 1997-922837, filed on 26 Aug 1997, GRANTED, Pat. No. US 5888770		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	DECHERT, ATTN: ALLEN BLOOM, ESQ, 4000 BELL ATLANTIC TOWER, 1717 ARCH STREET, PHILADELPHIA, PA, 19103		
NUMBER OF CLAIMS:	16		
EXEMPLARY CLAIM:	1		
LINE COUNT:	1528		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention provides spoIIIE polypeptides and DNA (RNA) encoding spoIIIE polypeptides and methods for producing such polypeptides by recombinant techniques. Also provided are methods for utilizing spoIIIE polypeptides to screen for antibacterial compounds.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 20 OF 49 USPATFULL

ACCESSION NUMBER: 2002:32554 USPATFULL

TITLE: Steroid derived antibiotics  
 INVENTOR(S): Savage, Paul B., Springville, UT, UNITED STATES  
 Li, Chunhong, Provo, UT, UNITED STATES  
 PATENT ASSIGNEE(S): Brigham Young University, a Utah corporation (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002019376	A1	20020214
	US 6486148	B2	20021126
APPLICATION INFO.:	US 2001-927926	A1	20010810 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1999-234008, filed on 19 Jan 1999, PENDING Continuation-in-part of Ser. No. WO 1998-US4489, filed on 6 Mar 1998, UNKNOWN		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	JOHN W. FREEMAN, ESQ., Fish & Richardson P.C., 225 Franklin Street, Boston, MA, 02110-2804		
NUMBER OF CLAIMS:	107		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	5 Drawing Page(s)		
LINE COUNT:	3583		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A series of novel steroid derivatives are described. The steroid derivatives are **antibacterial agents**. The steroid derivatives also act to sensitize bacteria to other antibiotics including erythromycin and novobiocin.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 21 OF 49 USPATFULL

ACCESSION NUMBER: 2001:221069 USPATFULL  
 TITLE: Inhibitors of multidrug transporters  
 INVENTOR(S): Markham, Penelope N., Oak Park, IL, United States  
 Mulhearn, Debbie C., Wheaton, IL, United States  
 Neyfakh, Alexander A., Oak Park, IL, United States  
 Crich, David, Chicago, IL, United States  
 Jaber, Mohamad-Rami, Romeoville, IL, United States  
 Johnson, Michael E., Winntka, IL, United States  
 PATENT ASSIGNEE(S): Influx, Inc., Chicago, IL, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6326391	B1	20011204
APPLICATION INFO.:	US 1999-454258		19991202 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1998-110841P	19981204 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Rotman, Alan L.	
ASSISTANT EXAMINER:	Desai, Rita	
LEGAL REPRESENTATIVE:	Fulbright & Jaworski	
NUMBER OF CLAIMS:	14	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	9 Drawing Figure(s); 9 Drawing Page(s)	
LINE COUNT:	2466	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates generally to the fields of bacteriology and mycology. More particularly, the present invention provides novel inhibitors of multidrug transport proteins that may be used in combination with existing **antibacterial agent** and/or antifungal agents to increase the toxic effects of the antimicrobial agents. More specifically the present invention provides methods and

compositions for enhancing the antibacterial action of fluoroquinolones by administering fluoroquinolones in combination with an inhibitor of multidrug transporters and of enhancing the antifungal action of azole antifungal agents by administering an azole antifungal agent in combination with an inhibitor of multidrug transporters. Compositions comprising indole, urea, quinoline or aromatic amide based inhibitors also are disclosed.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 22 OF 49 USPATFULL

ACCESSION NUMBER: 2001:182326 USPATFULL  
TITLE: Novel glycogen phosphorylase  
INVENTOR(S): Burnham, Martin Karl Russel, Norristown, PA, United States

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2001031484	A1	20011018
APPLICATION INFO.:	US 2001-825809	A1	20010404 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1998-185832, filed on 4 Nov 1998, GRANTED, Pat. No. US 6235285		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	Attn: Thomas S. Deibert, Esq., DECHERT, 4000 Bell Atlantic Tower, 1717 Arch Street, Philadelphia, PA, 19103-2793		
NUMBER OF CLAIMS:	10		
EXEMPLARY CLAIM:	1		
LINE COUNT:	1713		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention provides glycogen phosphorylase polypeptides and DNA (RNA) encoding glycogen phosphorylase polypeptides and methods for producing such polypeptides by recombinant techniques. Also provided are methods for utilizing glycogen phosphorylase polypeptides to screen for antibacterial compounds.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 23 OF 49 USPATFULL

ACCESSION NUMBER: 2001:179066 USPATFULL  
TITLE: LicC  
INVENTOR(S): Lonetto, Michael Arthur, SmithKline Beecham Corporation  
Corporate Intellectual Property - UW2220 P.O. Box 1539,  
King of Prussia, PA, United States 19406-0939

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6303571	B1	20011016
APPLICATION INFO.:	US 2000-531111		20000317 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1998-24023, filed on 16 Feb 1998, now patented, Pat. No. US 6110899		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1997-39210P	19970228 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Low, Christopher S. F.	
ASSISTANT EXAMINER:	Tu, Stephen	
LEGAL REPRESENTATIVE:	Gimmi, Edward R., Deibert, Thomas S., King, William T.	
NUMBER OF CLAIMS:	22	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1648	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention provides licC polypeptides and polynucleotides encoding

licC polypeptides and methods for producing such polypeptides by recombinant techniques. Also provided are methods for utilizing licC polypeptides to screen for antibacterial compounds.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 24 OF 49 USPATFULL

ACCESSION NUMBER: 2001:152711 USPATFULL  
TITLE: Polynucleotides encoding a novel era polypeptide  
INVENTOR(S): Black, Michael Terence, Chester Springs, PA, United States  
Hodgson, John Edward, Malvern, PA, United States  
Knowles, David Justin Charles, Boroughbridge, United Kingdom  
Lonetto, Michael Arthur, Collegeville, PA, United States  
Nicholas, Richard Oakley, Collegeville, PA, United States  
Palmer, Leslie Marie, Audubon, PA, United States  
Reid, Robert H., East Norriton, PA, United States  
Rosenberg, Martin, Royersford, PA, United States  
Zarfes, Phillip, Norristown, PA, United States  
PATENT ASSIGNEE(S): SmithKline Beecham Corporation, Philadelphia, PA, United States (U.S. corporation)  
SmithKline Beecham plc, United Kingdom (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6287803	B1	20010911
APPLICATION INFO.:	US 1997-965130		19971106 (8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1997-919573, filed on 10 Jul 1997		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1996-31879P	19961127 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Kunz, Gary L.	
ASSISTANT EXAMINER:	Hayes, Robert C.	
LEGAL REPRESENTATIVE:	Gimmi, Edward R., Deibert, Thomas S., King, William T.	
NUMBER OF CLAIMS:	24	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1503	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention provides era polypeptides and DNA (RNA) encoding era polypeptides and methods for producing such polypeptides by recombinant techniques. Also provided are methods for utilizing era polypeptides to screen for antibacterial compounds.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 25 OF 49 USPATFULL

ACCESSION NUMBER: 2001:131431 USPATFULL  
TITLE: Gcp  
INVENTOR(S): Biswas, Sanjoy, Paoli, PA, United States  
Chalker, Alison Frances, Trappe, PA, United States  
Holmes, David, West Chester, PA, United States  
Ingraham, Karen A, Auburn, PA, United States  
Palmer, Leslie Marie, Audubon, PA, United States  
Ray, Jennifer E, State College, PA, United States  
Warren, Richard Lloyd, Blue Bell, PA, United States  
Zalacain, Magdalena, West Chester, PA, United States  
PATENT ASSIGNEE(S): SmithKline Beecham Corporation, Philadelphia, PA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6274719	B1	20010814
APPLICATION INFO.:	US 1998-66512		19980424 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	GRANTED		
PRIMARY EXAMINER:	Swartz, Rodney P		
LEGAL REPRESENTATIVE:	Gimmi, Edward R., Deibert, Thomas S., King, William T.		
NUMBER OF CLAIMS:	21		
EXEMPLARY CLAIM:	1		
LINE COUNT:	2477		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention provides gcp polypeptides and polynucleotides encoding gcp polypeptides and methods for producing such polypeptides by recombinant techniques. Also provided are methods for utilizing gcp polypeptides to screen for antibacterial compounds.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 26 OF 49 USPATFULL

ACCESSION NUMBER: 2001:121286 USPATFULL

TITLE: Spo-rel from *streptococcus pneumoniae*

INVENTOR(S): Gentry, Daniel Robert, Pottstown, PA, United States

PATENT ASSIGNEE(S): SmithKline Beecham Corporation, Philadelphia, PA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6268179	B1	20010731
APPLICATION INFO.:	US 1999-277019		19990326 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1997-891322, filed on 9 Jul 1997, now patented, Pat. No. US 6096518		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1996-29049P	19961024 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Navarro, Mark	
LEGAL REPRESENTATIVE:	Gimmi, Edward R., Deibert, Thomas S., King, William T.	
NUMBER OF CLAIMS:	18	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1539	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention provides spo/rel polypeptides and DNA (RNA) encoding spo/rel polypeptides and methods for producing such polypeptides by recombinant techniques. Also provided are methods for utilizing spo/rel polypeptides to screen for antibacterial compounds.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 27 OF 49 USPATFULL

ACCESSION NUMBER: 2001:108016 USPATFULL

TITLE: FabD

INVENTOR(S): Gentry, Daniel Robert, Pottstown, PA, United States  
Payne, David John, Phoenixville, PA, United States  
Pearson, Stewart Campbell, Berwyn, PA, United States  
Lonsdale, John Timothy, Exton, PA, United States

PATENT ASSIGNEE(S): SmithKline Beecham Corporation, Philadelphia, PA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6258934	B1	20010710
APPLICATION INFO.:	US 1998-108517		19980701 (9)

RELATED APPLN. INFO.: Division of Ser. No. US 1997-789609, filed on 24 Jan 1997, now patented, Pat. No. US 5827689  
DOCUMENT TYPE: Utility  
FILE SEGMENT: GRANTED  
PRIMARY EXAMINER: Davenport, Avis M.  
LEGAL REPRESENTATIVE: Hecht, Elizabeth J., Gimmi, Edward R., Kinzig, Charles M.  
NUMBER OF CLAIMS: 3  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 3 Drawing Figure(s); 3 Drawing Page(s)  
LINE COUNT: 1763

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB FabD polypeptides and DNA (RNA) encoding such FabD and a procedure for producing such polypeptides by recombinant techniques is disclosed. Also disclosed are methods for utilizing such FabD for the treatment of infection, particularly bacterial infections. Antagonists against such FabD and their use as a therapeutic to treat infections, particularly bacterial infections are also disclosed. Also disclosed are diagnostic assays for detecting diseases related to the presence of FabD nucleic acid sequences and the polypeptides in a host. Also disclosed are diagnostic assays for detecting polynucleotides encoding Fab (Fatty acid biosynthesis) and for detecting the polypeptide in a host.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 28 OF 49 USPATFULL

ACCESSION NUMBER: 2001:105179 USPATFULL  
TITLE: Novel FtsL  
INVENTOR(S): Hodgson, John Edward, Malvern, PA, United States

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2001006798	A1	20010705
	US 6348579	B2	20020219
APPLICATION INFO.:	US 2000-740598	A1	20001219 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1997-920236, filed on 25 Aug 1997, GRANTED, Pat. No. US 6225083		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1996-27289P	19961001 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	DECHERT, ATTN: ALLEN BLOOM, ESQ, 4000 BELL ATLANTIC TOWER, 1717 ARCH STREET, PHILADELPHIA, PA, 19103	
NUMBER OF CLAIMS:	20	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1294	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention provides FtsL polypeptides and DNA (RNA) encoding FtsL polypeptides and methods for producing such polypeptides by recombinant techniques. Also provided are methods for utilizing FtsL polypeptides to screen for antibacterial compounds.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 29 OF 49 USPATFULL

ACCESSION NUMBER: 2001:98064 USPATFULL  
TITLE: Ribb  
INVENTOR(S): Black, Michael Terance, Chester Springs, PA, United States  
Shilling, Lisa Kathleen, Newtown, PA, United States  
Stodola, Robert King, Flourtown, PA, United States  
Warren, Richard Lloyd, Blue Bell, PA, United States  
Kosmatka, Anna Lisa, Doylestown, PA, United States  
Nicholas, Richard Oakley, Collegeville, PA, United States



States  
Palmer, Leslie Marie, Audubon, PA, United States  
Lonetto, Michael Arthur, Collegeville, PA, United States  
Fedon, Jason Craig, Strafford, PA, United States  
Hodgson, John Edward, Malvern, PA, United States  
Knowles, David Justin Charles, Boroughbridge, United Kingdom

PATENT ASSIGNEE(S): SmithKline Beecham Corporation, Philadelphia, PA,  
United States (U.S. corporation)  
SmithKline Beecham plc, United Kingdom (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6252044	B1	20010626
APPLICATION INFO.:	US 1997-977555		19971125 (8)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1996-24022P	19960816 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Minnifield, Nita	
LEGAL REPRESENTATIVE:	Gimmi, Edward R., Diebert, Thomas S., King, William T.	
NUMBER OF CLAIMS:	16	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1599	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention provides ribB polypeptides and polynucleotides encoding ribB polypeptides and methods for producing such polypeptides by recombinant techniques. Also provided are methods for utilizing ribB polypeptides to screen for antibacterial compounds.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 30 OF 49 USPATFULL

ACCESSION NUMBER: 2001:74938 USPATFULL  
TITLE: Glycogen phosphorylase from **streptococcus pneumoniae**  
INVENTOR(S): Burnham, Martin Karl Russel, Norristown, PA, United States  
PATENT ASSIGNEE(S): SmithKline Beecham Corporation, Philadelphia, PA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6235285	B1	20010522
APPLICATION INFO.:	US 1998-185832		19981104 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1997-896940, filed on 17 Jul 1997, now patented, Pat. No. US 5882885		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Duffy, Patricia A.		
LEGAL REPRESENTATIVE:	Gimmi, Edward R., Deibert, Thomas S., King, William T.		
NUMBER OF CLAIMS:	2		
EXEMPLARY CLAIM:	1		
LINE COUNT:	961		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention provides glycogen polypeptides, fusion polypeptides and compositions there comprising. Also provided are preferred methods for utilizing these polypeptides as diagnostic reagents and in diagnostic assays to screen for microbial infections in organisms and materials.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 31 OF 49 USPATFULL

ACCESSION NUMBER: 2001:67649 USPATFULL  
TITLE: LicD1 polypeptides  
INVENTOR(S): Lonetto, Michael Arthur, Collegeville, PA, United States  
PATENT ASSIGNEE(S): SmithKline Beecham Corporation, Philadelphia, PA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6228838	B1	20010508
APPLICATION INFO.:	US 1998-24024		19980216 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1997-39581P	19970228 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Kunz, Gary L.	
ASSISTANT EXAMINER:	Hayes, Robert C.	
LEGAL REPRESENTATIVE:	Gimmi, Edward R., Deibert, Thomas S., King, William T.	
NUMBER OF CLAIMS:	6	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1605	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention provides licD1 polypeptides and polynucleotides encoding licD1 polypeptides and methods for producing such polypeptides by recombinant techniques. Also provided are methods for utilizing licD1 polypeptides to screen for antibacterial compounds.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 32 OF 49 USPATFULL

ACCESSION NUMBER: 2001:63461 USPATFULL  
TITLE: FtsL from **Streptococcus pneumoniae**  
INVENTOR(S): Hodgson, John Edward, Malvern, PA, United States  
PATENT ASSIGNEE(S): SmithKline Beecham Corporation, Philadelphia, PA, United States (U.S. corporation)  
SmithKline Beecham plc, United Kingdom (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6225083	B1	20010501
APPLICATION INFO.:	US 1997-920236		19970825 (8)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1996-27289P	19961001 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Duffy, Patricia A.	
LEGAL REPRESENTATIVE:	Gimmi, Edward R., Deibert, Thomas S., King, William T.	
NUMBER OF CLAIMS:	9	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1255	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention provides ftsL polypeptides and DNA (RNA) encoding ftsL polypeptides and methods for producing such polypeptides by recombinant techniques. Also provided are ftsL polynucleotides for use as diagnostic reagents.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 33 OF 49 USPATFULL

ACCESSION NUMBER: 2001:60035 USPATFULL  
 TITLE: spoIIIE from Steptococcus pneumoniae  
 INVENTOR(S): Chalker, Alison Frances, Trappe, PA, United States  
 Zalacain Feliu, Maria Magdalena, West Chester, PA,  
 United States  
 Brown, James Raymond, Berwyn, PA, United States  
 Bryant, Alexander Philip, Chester Springs, PA, United  
 States  
 PATENT ASSIGNEE(S): SmithKline Beecham Corporation, Phialdelphia, PA,  
 United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6222016	B1	20010424
APPLICATION INFO.:	US 1999-351550		19990712 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1997-922837, filed on 26 Aug 1997, now patented, Pat. No. US 5888770		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Minnifield, Nita		
LEGAL REPRESENTATIVE:	Gimmi, Edward R., Deibert, Thomas S., King, William T.		
NUMBER OF CLAIMS:	6		
EXEMPLARY CLAIM:	1		
LINE COUNT:	1358		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention provides spoIIIE polypeptides and DNA (RNA) encoding  
 spoIIIE polypeptides and methods for producing such polypeptides by  
 recombinant techniques. Also provided are methods for utilizing spoIIIE  
 polypeptides to screen for antibacterial compounds.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 34 OF 49 USPATFULL

ACCESSION NUMBER: 2001:36628 USPATFULL  
 TITLE: Polynucleotides, vectors and host cells encoding LicB  
 from **streptococcus** pneumonial  
 INVENTOR(S): Lonetto, Michael Arthur, Collegeville, PA, United  
 States  
 PATENT ASSIGNEE(S): SmithKline Beecham Corporation, Philadelphia, PA,  
 United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6200779	B1	20010313
APPLICATION INFO.:	US 1999-348116		19990702 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1998-24848, filed on 17 Feb 1998, now patented, Pat. No. US 5962295		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1997-33807P	19970228 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Duffy, Patricia A.	
LEGAL REPRESENTATIVE:	Gimmi, Edward R., Deibert, Thomas S., King, William T.	
NUMBER OF CLAIMS:	9	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1611	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention provides licB polypeptides and polynucleotides encoding  
 licB polypeptides and methods for producing such polypeptides by  
 recombinant techniques. Also provided are methods for utilizing licB  
 polypeptides to screen for antibacterial compounds.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 35 OF 49 USPATFULL

ACCESSION NUMBER: 2000:131817 USPATFULL  
TITLE: Polynucleotides encoding the glucose 6-phosphate dehydrogenase of **Streptococcus pneumoniae**  
INVENTOR(S): Burnham, Martin Karl Russel, Norristown, PA, United States  
PATENT ASSIGNEE(S): SmithKline Beecham Corporation, Philadelphia, PA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6127345		20001003
APPLICATION INFO.:	US 1997-962859		19971103 (8)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1997-35072P	19970121 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Priebe, Scott D.	
LEGAL REPRESENTATIVE:	Gimmi, Edward R., King, William T., Deibert, Thomas S.	
NUMBER OF CLAIMS:	16	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	4 Drawing Figure(s); 4 Drawing Page(s)	
LINE COUNT:	1594	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention provides Glucose 6-Phosphate Dehydrogenase gene polypeptides and DNA (RNA) encoding Glucose 6-Phosphate Dehydrogenase gene polypeptides and methods for producing such polypeptides by recombinant techniques. Also provided are methods for utilizing Glucose 6-Phosphate Dehydrogenase gene polypeptide for the protection against infection, particularly bacterial infections.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 36 OF 49 USPATFULL

ACCESSION NUMBER: 2000:114100 USPATFULL  
TITLE: PyrH of **Streptococcus pneumoniae**  
INVENTOR(S): Petit, Chantal Myriam, Wayne, PA, United States  
PATENT ASSIGNEE(S): SmithKline Beecham Corporation, Philadelphia, PA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6111074		20000829
APPLICATION INFO.:	US 1998-30978		19980226 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Navarro, Mark		
ASSISTANT EXAMINER:	Lee, Li		
LEGAL REPRESENTATIVE:	Gimmi, Edward R., King, William T., Deibert, Thomas S.		
NUMBER OF CLAIMS:	6		
EXEMPLARY CLAIM:	1		
LINE COUNT:	1742		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention provides pyrH polypeptides and polynucleotides encoding pyrH polypeptides and methods for producing such polypeptides by recombinant techniques. Also provided are methods for utilizing pyrH polypeptides to screen for antibacterial compounds.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 37 OF 49 USPATFULL

ACCESSION NUMBER: 2000:113926 USPATFULL  
TITLE: LICC of **Streptococcus pneumoniae**

INVENTOR(S): Lonetto, Michael Arthur, Wayne, PA, United States  
PATENT ASSIGNEE(S): SmithKline Beecham Corporation, Philadelphia, PA,  
United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6110899		20000829
APPLICATION INFO.:	US 1998-24023		19980216 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1997-39210P	19970228 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Priebe, Scott D.	
LEGAL REPRESENTATIVE:	Gimmi, Edward R., Deibert, Thomas S., King, William T.	
NUMBER OF CLAIMS:	34	
EXEMPLARY CLAIM:	1,5	
LINE COUNT:	1802	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention provides licC polypeptides and polynucleotides encoding  
licC polypeptides and methods for producing such polypeptides by  
recombinant techniques. Also provided are methods for utilizing licC  
polypeptides to screen for antibacterial compounds.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 38 OF 49 USPATFULL

ACCESSION NUMBER: 2000:98203 USPATFULL  
TITLE: DNA encoding SPO/REL polypeptides of  
**streptococcus**  
INVENTOR(S): Gentry, Daniel Robert, Pottstown, PA, United States  
PATENT ASSIGNEE(S): Smithkline Beecham Corporation, Philadelphia, PA,  
United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6096518		20000801
APPLICATION INFO.:	US 1997-891322		19970709 (8)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Caputa, Anthony C.		
ASSISTANT EXAMINER:	Navarro, Mark		
LEGAL REPRESENTATIVE:	Gimmi, Edward R., King, William T., Deibert, Thomas S.		
NUMBER OF CLAIMS:	14		
EXEMPLARY CLAIM:	1		
LINE COUNT:	1750		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention provides spo/rel polypeptides and DNA (RNA) encoding  
spo/rel polypetides and methods for producing such polypeptides by  
recombinant techniques. Also provided are methods for utilizing spo/rel  
polypeptides to screen for antibacterial compounds.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 39 OF 49 USPATFULL

ACCESSION NUMBER: 1999:121198 USPATFULL  
TITLE: LicB polypeptides from **Streptococcus**  
**pneumoniae**  
INVENTOR(S): Lonetto, Michael Arthur, Collegeville, PA, United  
States  
PATENT ASSIGNEE(S): SmithKline Beecham Corporation, Philadelphia, PA,  
United States (U.S. corporation)

NUMBER	KIND	DATE
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PATENT INFORMATION: US 5962295 19991005  
APPLICATION INFO.: US 1998-24848 19980217 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1997-33807P	19970228 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Duffy, Patricia A.	
LEGAL REPRESENTATIVE:	Gimmi, Edward R., King, William T., Deibert, Thomas S.	
NUMBER OF CLAIMS:	18	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1696	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention provides licB polypeptides and polynucleotides encoding licB polypeptides and methods for producing such polypeptides by recombinant techniques. Also provided are methods for utilizing licB polypeptides to screen for antibacterial compounds.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 40 OF 49 USPATFULL

ACCESSION NUMBER: 1999:89277 USPATFULL  
TITLE: ribA  
INVENTOR(S): Black, Michael Terence, Chester Springs, PA, United States  
Fedon, Jason Craig, Strafford, PA, United States  
Hodgson, John Edward, Malvern, PA, United States  
Knowles, David Justin Charles, Boroughbridge, United Kingdom  
Lonetto, Michael Arthur, Collegeville, PA, United States  
Kosmatka, Anna Lisa, Doylestown, PA, United States  
Nicholas, Richard Oakley, Collegeville, PA, United States  
Palmer, Leslie Marie, Audubon, PA, United States  
Shilling, Lisa Kathleen, Newtown, PA, United States  
Stodola, Robert King, Flourtown, PA, United States  
Warren, Richard Lloyd, Blue Bell, PA, United States  
PATENT ASSIGNEE(S): SmithKline Beecham Corporation, Philadelphia, PA, United States (U.S. corporation)  
SmithKline Beecham p.l.c., United Kingdom (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5932701		19990803
APPLICATION INFO.:	US 1997-978458		19971125 (8)
RELATED APPLN. INFO.:	Continuation of Ser. No. WO 1997-US14436, filed on 15 Aug 1997 which is a continuation of Ser. No. US 1997-911503, filed on 15 Aug 1997		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1996-24022P	19960816 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Minnifield, Nita	
LEGAL REPRESENTATIVE:	King, William T., Gimmi, Edward R., Jackson, Arthur E.	
NUMBER OF CLAIMS:	1	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1726	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention provides ribA polypeptides and polynucleotides encoding ribA polypeptides and methods for producing such polypeptides by recombinant techniques. Also provided are methods for utilizing ribA

polypeptides to screen for antibacterial compounds.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 41 OF 49 USPATFULL

ACCESSION NUMBER: 1999:40191 USPATFULL  
TITLE: Spoiiiie  
INVENTOR(S): Chalker, Alison Frances, Trappe, PA, United States  
Zalacain Feliu, Maria Magdalena, West Chester, PA,  
United States  
Brown, James Raymond, Berwyn, PA, United States  
Bryant, Alexander Philip, Chester Springs, PA, United  
States  
PATENT ASSIGNEE(S): Smithkline Beecham Corporation, Philadelphia, PA,  
United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5888770		19990330
APPLICATION INFO.:	US 1997-922837		19970826 (8)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Caputa, Anthony C.		
ASSISTANT EXAMINER:	Weatherspoon, John K.		
LEGAL REPRESENTATIVE:	Gimmi, Edward R., King, William T., Jackson, Arthur E.		
NUMBER OF CLAIMS:	9		
EXEMPLARY CLAIM:	1		
LINE COUNT:	1463		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention provides spoIIIE polypeptides and DNA (RNA) encoding spoIIIE polypeptides and methods for producing such polypeptides by recombinant techniques. Also provided are methods for utilizing spoIIIE polypeptides to screen for antibacterial compounds.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 42 OF 49 USPATFULL

ACCESSION NUMBER: 1999:36704 USPATFULL  
TITLE: FabH  
INVENTOR(S): Gentry, Daniel Robert, Pottstown, PA, United States  
Lonsdale, John Timothy, Exton, PA, United States  
Payne, David John, Phoenixville, PA, United States  
Pearson, Stewart Campbell, Berwyn, PA, United States  
PATENT ASSIGNEE(S): SmithKline Beecham Corporation, Philadelphia, PA,  
United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5885572		19990323
APPLICATION INFO.:	US 1997-918058		19970825 (8)
RELATED APPLN. INFO.:	Division of Ser. No. US 1996-746797, filed on 18 Nov 1996, now patented, Pat. No. US 5759832		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1996-29089P	19961023 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Wax, Robert A.	
ASSISTANT EXAMINER:	Saidha, Tekchand	
LEGAL REPRESENTATIVE:	Gimmi, Edward R., King, William T., Jackson, Arthur E.	
NUMBER OF CLAIMS:	4	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	2 Drawing Figure(s); 2 Drawing Page(s)	
LINE COUNT:	1864	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention provides FabH polypeptides and DNA (RNA) encoding such FabH and a procedure for producing such polypeptides by recombinant techniques. Also provided are methods for utilizing such FabH for the treatment of infection, particularly bacterial infections. Antagonists against such FabH and their use as a therapeutic to treat infections, particularly bacterial infections are also provided. Further provided are diagnostic assays for detecting diseases related to the presence of FabH nucleic acid sequences and the polypeptides in a host. Also provided are diagnostic assays for detecting polynucleotides encoding novel Fab family proteins and for detecting such polypeptides in a host.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 43 OF 49 USPATFULL

ACCESSION NUMBER: 1999:33794 USPATFULL  
TITLE: Glycogen phosphorylase  
INVENTOR(S): Burnham, Martin Karl Russel, Norristown, PA, United States  
PATENT ASSIGNEE(S): Smithkline Beecham Corporation, Philadelphia, PA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5882885		19990316
APPLICATION INFO.:	US 1997-896590		19970717 (8)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Hutzell, Paula K.		
ASSISTANT EXAMINER:	Duffy, Patricia A.		
LEGAL REPRESENTATIVE:	Gimmi, Edward R., King, William T., Jackson, Arthur E.		
NUMBER OF CLAIMS:	9		
EXEMPLARY CLAIM:	1		
LINE COUNT:	1872		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention provides glycogen phosphorylase polypeptides and DNA (RNA) encoding glycogen phosphorylase polypeptides and methods for producing such polypeptides by recombinant techniques. Also provided are methods for utilizing glycogen phosphorylase polypeptides to screen for antibacterial compounds.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 44 OF 49 USPATFULL

ACCESSION NUMBER: 1998:147260 USPATFULL  
TITLE: Lgt  
INVENTOR(S): Petit, Chantal Myriam, Wayne, PA, United States  
PATENT ASSIGNEE(S): SmithKline Beecham Corporation, Philadelphia, PA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5840538		19981124
APPLICATION INFO.:	US 1997-906753		19970806 (8)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Carlson, Karen Cochrane		
LEGAL REPRESENTATIVE:	Gimmi, Esq., Edward R., Falk, Esq., Stephen T., King, Esq., William T.		
NUMBER OF CLAIMS:	12		
EXEMPLARY CLAIM:	1		
LINE COUNT:	1319		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention provides Lgt polypeptides and DNA (RNA) encoding Lgt polypeptides and methods for producing such polypeptides by recombinant techniques. Also provided are methods for utilizing Lgt polypeptides to screen for antibacterial compounds.



CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 45 OF 49 USPATFULL

ACCESSION NUMBER: 1998:138720 USPATFULL  
TITLE: Bacterial peptide methionine sulfoxide reductase an  
adhesion-associated protein, and antibiotic therapies  
based thereon  
INVENTOR(S): Tuomanen, Elaine, New York, NY, United States  
Masure, H. Robert, New York, NY, United States  
Wizemann, Theresa M., New York, NY, United States  
PATENT ASSIGNEE(S): The Rockefeller University, New York, NY, United States  
(U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5834278		19981110
APPLICATION INFO.:	US 1996-642247		19960501 (8)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Wax, Robert A.		
ASSISTANT EXAMINER:	Saidha, Tekchand		
LEGAL REPRESENTATIVE:	Klauber & Jackson		
NUMBER OF CLAIMS:	9		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	8 Drawing Figure(s); 7 Drawing Page(s)		
LINE COUNT:	1946		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to the identification of a bacterial adhesion associated protein, and the gene encoding such protein. More particularly, the invention relates to a pneumococcal peptide methionine sulfoxide reductase involved in bacterial adherence. The invention also relates to identification and development of agents to provide protection from bacterial infection based on this protein.

The invention provides nucleic acids encoding the peptide methionine sulfoxide reductase, as well as methods for identifying antagonists of the methionine sulfoxide reductase. The present invention further demonstrates that peptide methionine sulfoxide reductase is an adhesion-associated protein in various Gram-negative and Gram-positive bacteria and accordingly provides for interference with the peptide methionine sulfoxide reductase to inhibit bacterial adherence to host tissues.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 46 OF 49 USPATFULL

ACCESSION NUMBER: 1998:131565 USPATFULL  
TITLE: FabD polynucleotides  
INVENTOR(S): Gentry, Daniel Robert, Pottstown, PA, United States  
Payne, David John, Phoenixville, PA, United States  
Pearson, Stewart Campbell, Berwyn, PA, United States  
Lonsdale, John Timothy, Exton, PA, United States  
PATENT ASSIGNEE(S): SmithKline Beecham Corporation, Philadelphia, PA,  
United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5827689		19981027
APPLICATION INFO.:	US 1997-789609		19970124 (8)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1996-30685P	19961113 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	

PRIMARY EXAMINER: Ketter, James  
ASSISTANT EXAMINER: Sandals, William  
LEGAL REPRESENTATIVE: Hecht, Elizabeth J., King, William T., Gimmi, Edward R.  
NUMBER OF CLAIMS: 31  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 3 Drawing Figure(s); 3 Drawing Page(s)  
LINE COUNT: 1898

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB FabD polypeptides and DNA (RNA) encoding such FabD and a procedure for producing such polypeptides by recombinant techniques is disclosed. Also disclosed are methods for utilizing such FabD for the treatment of infection, particularly bacterial infections. Antagonists against such FabD and their use as a therapeutic to treat infections, particularly bacterial infections are also disclosed. Also disclosed are diagnostic assays for detecting diseases related to the presence of FabD nucleic acid sequences and the polypeptides in a host. Also disclosed are diagnostic assays for detecting polynucleotides encoding Fab (Fatty acid biosynthesis) and for detecting the polypeptide in a host.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 47 OF 49 USPATFULL

ACCESSION NUMBER: 1998:101534 USPATFULL  
TITLE: Bacterial peptide methionine sulfoxide reductase, and adhesion-associated protein, and antibiotic therapies based thereon  
INVENTOR(S): Tuomanen, Elaine, New York, NY, United States  
Masure, H. Robert, New York, NY, United States  
Wizemann, Theresa M., New York, NY, United States  
PATENT ASSIGNEE(S): The Rockefeller University, New York, NY, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5798243		19980825
APPLICATION INFO.:	US 1997-915003		19970820 (8)
RELATED APPLN. INFO.:	Division of Ser. No. US 1996-642247, filed on 1 May 1996		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Grimes, Eric		
ASSISTANT EXAMINER:	Saidha, Tekchand		
LEGAL REPRESENTATIVE:	Klauber & Jackson		
NUMBER OF CLAIMS:	2		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	8 Drawing Figure(s); 7 Drawing Page(s)		
LINE COUNT:	1926		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to the identification of a bacterial adhesion associated protein, and the gene encoding such protein. More particularly, the invention relates to a pneumococcal peptide methionine sulfoxide reductase involved in bacterial adherence. The invention also relates to identification and development of agents to provide protection from bacterial infection based on this protein. The invention provides nucleic acids encoding the peptide methionine sulfoxide reductase, as well as methods for identifying antagonists of the methionine sulfoxide reductase. The present invention further demonstrates that peptide methionine sulfoxide reductase is an adhesion-associated protein in various Gram-negative and Gram-positive bacteria and accordingly provides for interference with the peptide methionine sulfoxide reductase to inhibit bacterial adherence to host tissues.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 48 OF 49 USPATFULL

ACCESSION NUMBER: 1998:85815 USPATFULL  
TITLE: FabH  
INVENTOR(S): Gentry, Daniel Robert, Pottstown, PA, United States  
Lonsdale, John Timothy, Exton, PA, United States  
Payne, David John, Phoenixville, PA, United States  
Pearson, Stewart Campbell, Berwyn, PA, United States  
PATENT ASSIGNEE(S): SmithKline Beecham Corporation, Philadelphia, PA,  
United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5783432		19980721
APPLICATION INFO.:	US 1997-927387		19970825 (8)
RELATED APPLN. INFO.:	Division of Ser. No. US 1996-746797, filed on 18 Nov 1996		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Wax, Robert A.		
ASSISTANT EXAMINER:	Saidha, Tekchand		
LEGAL REPRESENTATIVE:	Gimmi, Edward R., King, William T., Lentz, Edward T.		
NUMBER OF CLAIMS:	2		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	2 Drawing Figure(s); 2 Drawing Page(s)		
LINE COUNT:	1842		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention provides FabH polypeptides and DNA (RNA) encoding such FabH and a procedure for producing such polypeptides by recombinant techniques. Also provided are methods for utilizing such FabH for the treatment of infection, particularly bacterial infections. Antagonists against such FabH and their use as a therapeutic to treat infections, particularly bacterial infections are also provided. Further provided are diagnostic assays for detecting diseases related to the presence of FabH nucleic acid sequences and the polypeptides in a host. Also provided are diagnostic assays for detecting polynucleotides encoding novel Fab family proteins and for detecting such polypeptides in a host.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 49 OF 49 USPATFULL

ACCESSION NUMBER: 1998:61452 USPATFULL  
TITLE: FabH  
INVENTOR(S): Gentry, Daniel Robert, Pottstown, PA, United States  
Lonsdale, John Timothy, Exton, PA, United States  
Payne, David John, Phoenixville, PA, United States  
Pearson, Stewart Campbell, Berwyn, PA, United States  
PATENT ASSIGNEE(S): SmithKline Beecham Corporation, Philadelphia, PA,  
United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5759832		19980602
APPLICATION INFO.:	US 1996-746797		19961118 (8)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Wax, Robert A.		
ASSISTANT EXAMINER:	Saidha, Tekchand		
LEGAL REPRESENTATIVE:	Gimmi, Edward R., King, William T., Lentz, Edward T.		
NUMBER OF CLAIMS:	11		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	2 Drawing Figure(s); 2 Drawing Page(s)		
LINE COUNT:	1863		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention provides FabH polypeptides and DNA (RNA) encoding such FabH and a procedure for producing such polypeptides by recombinant techniques. Also provided are methods for utilizing such FabH for the treatment of infection, particularly bacterial infections. Antagonists

against such FabH and their use as a therapeutic to treat infections, particularly bacterial infections are also provided. Further provided are diagnostic assays for detecting diseases related to the presence of FabH nucleic acid sequences and the polypeptides in a host. Also provided are diagnostic assays for detecting polynucleotides encoding novel Fab family proteins and for detecting such polypeptides in a host.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=>

# WEST Search History

DATE: Friday, December 27, 2002

<u>Set Name</u> side by side	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u> result set
<i>DB=USPT; PLUR=YES; OP=OR</i>			
L45	4963569	1	L45
L44	4670466	2	L44
L43	4576938	6	L43
L42	4311693	2	L42
L41	3927210	2	L41
L40	3681493	1	L40
L39	4704360.pn.	1	L39
L38	L33 @py<=19971231	7003872	L38
L37	L33 <=19971231	0	L37
L36	L33 <=19971231	0	L36
L35	L34 and fritz	4	L35
L34	L33 and acceptable	318	L34
L33	L32 and interaction	330	L33
L32	L31 and candidate	389	L32
L31	L30 and polypeptide	656	L31
L30	L29 and pneumoniae	2364	L30
L29	L26 and Streptococcus	4531	L29
L28	L26 and Streptococcus	4	L28
L27	L26 and S-yneS	1	L27
L26	L25 and l24	97084	L26
L25	l22 and l23	106355	L25
L24	antibacterial agent	556549	L24
L23	pharmaceutical excipient	133202	L23
L22	antibacterial composition	627235	L22
<i>DB=DWPI; PLUR=YES; OP=OR</i>			
L21	199924447	0	L21
L20	(200149721)	2	L20
L19	(200149721)	2	L19
L18	(49721)	6	L18
L17	(49721)	6	L17
<i>DB=PGPB; PLUR=YES; OP=OR</i>			
L16	(WO200149721)	0	L16
L15	(WO200149721)	0	L15

L14	(49721)	2	L14
L13	(49721)	2	L13
<i>DB=DWPI; PLUR=YES; OP=OR</i>			
L12	L11	0	L12
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L11	L10	5	L11
<i>DB=USPT,PGPB,JPAB,EPAB,DWPI; PLUR=YES; OP=OR</i>			
L10	24447	147	L10
<i>DB=DWPI; PLUR=YES; OP=OR</i>			
L9	199924447	0	L9
L8	11	0	L8
<i>DB=PGPB; PLUR=YES; OP=OR</i>			
L7	12	0	L7
L6	L5	0	L6
<i>DB=DWPI; PLUR=YES; OP=OR</i>			
L5	WO199924447	0	L5
L4	WO9924447	0	L4
L3	WO24447	0	L3
L2	24447	4	L2
L1	WO009924447	0	L1

END OF SEARCH HISTORY

# WEST Search History

DATE: Friday, December 27, 2002

<u>Set Name</u> side by side	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u> result set
<i>DB=USPT; PLUR=YES; OP=OR</i>			
L39	4704360.pn.	1	L39
L38	L33 @py<=19971231	7003872	L38
L37	L33 <=19971231	0	L37
L36	L33 <=19971231	0	L36
L35	L34 and fritz	4	L35
L34	L33 and acceptable	318	L34
L33	L32 and interaction	330	L33
L32	L31 and candidate	389	L32
L31	L30 and polypeptide	656	L31
L30	L29 and pneumoniae	2364	L30
L29	L26 and Streptococcus	4531	L29
L28	L26 and Streptococcus	4	L28
L27	L26 and S-ymeS	1	L27
L26	L25 and l24	97084	L26
L25	l22 and l23	106355	L25
L24	antibacterial agent	556549	L24
L23	pharmaceutical excipient	133202	L23
L22	antibacterial composition	627235	L22
<i>DB=DWPI; PLUR=YES; OP=OR</i>			
L21	199924447	0	L21
L20	(200149721)	2	L20
L19	(200149721)	2	L19
L18	(49721)	6	L18
L17	(49721)	6	L17
<i>DB=PGPB; PLUR=YES; OP=OR</i>			
L16	(WO200149721)	0	L16
L15	(WO200149721)	0	L15
L14	(49721)	2	L14
L13	(49721)	2	L13
<i>DB=DWPI; PLUR=YES; OP=OR</i>			
L12	L11	0	L12
<i>DB=PGPB; PLUR=YES; OP=OR</i>			
L11	L10	5	L11

*DB=USPT,PGPB,JPAB,EPAB,DWPI; PLUR=YES; OP=OR*

L10        24447

147    L10

*DB=DWPI; PLUR=YES; OP=OR*

L9        199924447

0    L9

L8        11

0    L8

*DB=PGPB; PLUR=YES; OP=OR*

L7        12

0    L7

L6        L5

0    L6

*DB=DWPI; PLUR=YES; OP=OR*

L5        WO199924447

0    L5

L4        WO9924447

0    L4

L3        WO24447

0    L3

L2        24447

4    L2

L1        WO009924447

0    L1

END OF SEARCH HISTORY



## End of Result Set



Generate Collection

L45: Entry 1 of 1

File: USPT

Oct 16, 1990

US-PAT-NO: 4963569DOCUMENT-IDENTIFIER: US 4963569 A

TITLE: L-654,040, antibacterial agent

DATE-ISSUED: October 16, 1990

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Currie; Sara A.	Roselle	NJ		
Miller; Thomas W.	Carteret	NJ		
Dulaney; Eugene L.	Summit	NJ		
Springer; James P.	Mountainside	NJ		
Valiant; Mary E.	Plainfield	NJ		
Mochales del Val; Sagrario	Madrid			ES
Zimmerman; Sheldon B.	Springfield	NJ		

US-CL-CURRENT: 514/326; 435/118, 435/252.1, 546/209

## CLAIMS:

What is claimed is:

1. A compound of the Formula: ##STR4## or a pharmaceutically acceptable salt, hydrate, ester, anhydride or amide thereof.
2. An antibacterial composition comprising an antibacterially effective amount of a compound of claim 1 and a pharmaceutically acceptable carrier.

## End of Result Set



Generate Collection

L44: Entry 2 of 2

File: USPT

Jun 2, 1987

US-PAT-NO: 4670466DOCUMENT-IDENTIFIER: US 4670466 A

TITLE: R-(Z)-4-amino-3-chloro-2-pentenedioic acid, novel antibacterial agent

DATE-ISSUED: June 2, 1987

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Chaiet; Louis	Springfield	NJ		
Zimmerman; Sheldon B.	Springfield	NJ		
Monaghan; Richard L.	Somerset	NJ		
Martin; Maria I.	Madrid			ES

US-CL-CURRENT: 514/547; 514/561, 514/626, 560/171, 562/571, 564/160

## CLAIMS:

What is claimed is:

1. The compound: ##STR10## and pharmaceutically acceptable salts thereof.
2. A compound selected the C.sub.1-4 alkyl esters and C.sub.1-4 alkyl amides of either or both carboxyl groups of the compound having the general formula:  
##STR11##
3. An antibacterial composition comprising an antibacterially effective amount of the compound of claim 1 or 2 and a pharmaceutically effective carrier.

## End of Result Set



Generate Collection

L43: Entry 6 of 6

File: USPT

Mar 18, 1986

US-PAT-NO: 4576938DOCUMENT-IDENTIFIER: US 4576938 A

TITLE: Cephalosporin compound and process for preparing the same

DATE-ISSUED: March 18, 1986

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Wagatsuma; Mitsuyoshi	Urawa			JP
Hatsuno; Susumu	Kawaguchi			JP
Yamaguchi; Totaro	Urawa			JP
Ohshima; Satoshi	Iwatsuki			JP

US-CL-CURRENT: 514/206; 540/227

## CLAIMS:

What is claimed is:

1. A cephalosporin compound selected from the group consisting of a (Z) isomer of a compound of the formula: ##STR20## wherein R.sup.1 is methyl or tetrazolylmethyl and R.sup.2 and R.sup.3 are a hydrogen atom, or a pharmaceutically acceptable salt thereof.
2. The cephalosporin compound of claim 1, which is 7.beta.-[2-(2-aminothiazol-4-yl)-(Z)-2-methoxyiminoacetamido]-3-[(1-amino-1H-tetrazol-5-yl)thiomethyl]-3-cephem-4-carboxylic acid or a pharmaceutically acceptable salt thereof.
3. The cephalosporin compound of claim 1, which is 7.beta.-[2-(2-aminothiazol-4-yl)-(Z)-2-(tetrazol-5-yl-methoxyimino)acetamido]-3-[(1-amino-1H-tetrazol-5-yl)thiomethyl]-3-cephem-4-carboxylic acid or a pharmaceutically acceptable salt thereof.
4. An antibacterial composition comprising an effective antibacterial amount of the cephalosporin compound selected from the group consisting of a (Z) isomer of a compound of the formula: ##STR21## wherein R.sup.1 is methyl or tetrazolylmethyl and R.sup.2 and R.sup.3 are a hydrogen atom, or a pharmaceutically acceptable salt thereof and a pharmaceutically acceptable carrier therefor.
5. A method of treating an infectious disease caused by gram-positive or gram-negative bacteria in animals or humans which comprises administering thereto an effective antibacterial amount of the cephalosporin compound selected from the group consisting of a (Z) isomer of a compound of the formula: ##STR22## wherein R.sup.1 is methyl or tetrazolylmethyl and R.sup.2 and R.sup.3 are hydrogen atom, or a pharmaceutically acceptable salt thereof.

## End of Result Set



Generate Collection

L42: Entry 2 of 2

File: USPT

Jan 19, 1982

US-PAT-NO: 4311693DOCUMENT-IDENTIFIER: US 4311693 A

TITLE: Discovery of MSD A63A, a new efrotomycin-line antibiotic fermentation broth

DATE-ISSUED: January 19, 1982

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hernandez; Sebastian	Madrid			ES
Zimmerman; Sheldon B.	Springfield	NJ		
Gullo; Vincent P.	Edison	NJ		
Dewey; Ray S.	Martinsville	NJ		

US-CL-CURRENT: 424/122; 435/169, 435/170

## CLAIMS:

The subject matter which applicants regard as their invention is particularly pointed out and distinctly claimed as follows:

1. The antibiotic MSD A63A which is a slightly deliquescent amorphous yellow powder having an estimated empirical formula of C.sub.44 H.sub.64 N.sub.2 O.sub.10 whose trimethylsilyl derivative shows characteristic peaks in its mass spectrum at m/e 1122, 1032, 960, 706, 677, 604, 544, 517, 444 and 221; which shows an ultraviolet spectrum in methanol with maxima at 328 nm (E% 332), 286 (E% 289) and 224 (E% 757) with shoulders at 366 (E% 256) and 315 (E% 313) and which develops a characteristic spectrum after 30 minutes in 0.01 N hydrochloric acid in methanol which shows maxima at 324 nm (E% 440), 309 (E% 502), 295 (E% 420) and 223 (E% 838) with shoulders at 365 (E% 121) and 284 (E% 339); which shows a rotation of .alpha..sub.D.sup.26.degree. = -43.degree. for a 1% solution in methanol; which has an infrared spectrum as shown in FIG. 1; and an .sup.1 H NMR spectrum as shown in FIG. 2.

2. A method of producing antibiotic MSD A63A as defined in claim 1 which comprises cultivating an MSD A63A producing strain of Streptoverticillium hiroshimense ATCC 31586 in a fermentation broth containing assimilable sources of carbohydrates, nitrogen and inorganic salts under aerobic conditions until a substantial amount of MSD A63A is produced in the fermentation broth and recovering said antibiotic.

3. An antibacterial composition comprising an antibacterially effective amount of MSD A63A as defined in claim 1 or a pharmaceutically acceptable salt thereof and a pharmaceutically acceptable carrier.

4. A growth-permittant composition comprising a growth-permitting amount of MSD A63A as defined in claim 1 or a pharmaceutically acceptable salt thereof and a pharmaceutically acceptable carrier.

## End of Result Set



Generate Collection

L41: Entry 2 of 2

File: USPT

Dec 16, 1975

US-PAT-NO: 3927210DOCUMENT-IDENTIFIER: US 3927210 A

TITLE: Antibiotic Ensanchomycin

DATE-ISSUED: December 16, 1975

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Stapley; Edward O.	Metuchen	NJ		
Mata; Justo Martinez	Madrid			ES

US-CL-CURRENT: 424/118

## CLAIMS:

What is claimed is:

1. A method of promoting the growth of animals which comprises the administration to said animals of a growth promoting amount of the antibiotic Ensanchomycin, said antibiotic being characterized by the following properties: an ultraviolet absorption peak at 247 m.mu. in an acid solution and an ultraviolet absorption peak at 258 m.mu. in a basic solution having an infrared spectrum in a Nujol mull as shown in FIG. 1, and an elemental analysis of its ammonium salt as follows: C = 47.11 percent; H = 6.90 percent; N = 7.67 percent; phosphorus = 1.93 percent; and O = 36.39 percent (by difference) with the said ammonium salt having an approximate empirical formula of: C.sub.63 H.sub.110 N.sub.9 O.sub.36 P and a measured equivalent weight of 1477, and a pK.sub.a of 4.6, or its pharmaceutically acceptable salts.

2. A method of treating bacterial infections in animals which comprises the administration to said animal of an antibacterially effective amount of the antibiotic Ensanchomycin, said antibiotic being characterized by the following properties: an ultraviolet absorption peak at 247 m.mu. in an acid solution and an ultraviolet absorption peak at 258 m.mu. in a basic solution having an infrared spectrum in a Nujol mull as shown in FIG. 1, and an elemental analysis of its ammonium salt as follows: C = 47.11 percent; H = 6.90 percent; N = 7.67 percent; phosphorus = 1.93 percent; and O = 36.39 percent (by difference) with the said ammonium salt having an approximate empirical formula of: C.sub.63 H.sub.110 N.sub.9 O.sub.36 P and a measured equivalent weight of 1477, and a pK.sub.a of 4.6, or its pharmaceutically acceptable salts.

3. An antibacterial composition comprising an antibacterially effective amount of the antibiotic Ensanchomycin, said antibiotic being characterized by the following properties: an ultraviolet absorption peak at 247 m.mu. in an acid solution and an ultraviolet absorption peak at 258 m.mu. in a basic solution having an infrared spectrum in a Nujol mull as shown in FIG. 1, and an elemental analysis of its ammonium salt as follows: C = 47.11 percent; H = 6.90 percent; N = 7.67 percent; phosphorus = 1.93 percent; and O = 36.39 percent (by difference) with the said ammonium salt having an approximate empirical formula of: C.sub.63 H.sub.110 N.sub.9 O.sub.36 P and a measured equivalent weight of 1477, and a pK.sub.a of 4.6, or its pharmaceutically acceptable salts and a nontoxic pharmaceutically acceptable carrier.

4. A composition for use in the growth promotion of animals comprising a growth

promoting amount of the antibiotic Ensanchomycin, said antibiotic being characterized by the following properties: an ultraviolet absorption peak at 247 m.mu. in an acid solution and an ultraviolet absorption peak at 258 m.mu. in a basic solution having an infrared spectrum in a Nujol mull as shown in FIG. 1, and an elemental analysis of its ammonium salt as follows: C = 47.11 percent; H = 6.90 percent; N = 7.67 percent; phosphorus = 1.93 percent; and O = 36.39 percent (by difference) with the said ammonium salt having an approximate empirical formula of: C.sub.63 H.sub.110 N.sub.9 O.sub.36 P and a measured equivalent weight of 1477, and a pK.sub.a of 4.6, or its pharmaceutically acceptable salts and a food supplement.

## End of Result Set



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L40: Entry 1 of 1

File: USPT

Aug 1, 1972

US-PAT-NO: 3681493DOCUMENT-IDENTIFIER: US 3681493 A

TITLE: ANTIBACTERIAL COMPOSITIONS

DATE-ISSUED: August 1, 1972

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Davies; Gareth Morse	Macclesfield			EN

US-CL-CURRENT: 514/64

## CLAIMS:

1. An antibacterial pharmaceutical or veterinary composition in the form of a tablet, a capsule or a sterilized solution, suspension or emulsion for parenteral use comprising an antibacterially effective amount of isobutyl or 8-quinolyl di-(2-thienyl)borinate, or isobutyl or 8-quinolyl phenyl-(2-thienyl)borinate and a major amount of a pharmaceutically or
2. A composition as claimed in claim 1 which includes 8-quinolyl
3. A composition as claimed in claim 1 which is a tablet or capsule
4. A composition as claimed in claim 1 or 2 containing from 0.5 to 5
5. A composition as claimed in claim 1 which is a sterilized solution, suspension or emulsion for parenteral use containing from 0.5 to 5 percent
6. A method for the treatment of a bacterial infection in man or animals which comprises the administration of an antibacterially effective amount of isobutyl or 8-quinolyl di-(2-thienyl) borinate, or isobutyl or 8-quinolyl phenyl-(2-thienyl)-borinate to man or animals in need of such
7. A method as claimed in claim 6 wherein the infection is caused by Gram-negative bacteria.

☐ Generate Collection

L42: Entry 1 of 2

File: USPT

Apr 16, 1991

US-PAT-NO: 5008187

DOCUMENT-IDENTIFIER: US 5008187 A

TITLE: Antifungal fermentation product

DATE-ISSUED: April 16, 1991

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Chaiet; Louis	Springfield	NJ		
Zimmerman; Sheldon B.	Springfield	NJ		
Monaghan; Richard L.	Somerset	NJ		
Garritty; George M.	Westfield	NJ		

US-CL-CURRENT: 514/23; 435/117, 435/72, 435/911, 435/929, 536/16.8

## CLAIMS:

What is claimed is:

1. An antifungal antibiotic compound having the formula ##STR2##

2. An antifungal antibiotic compound which is a white solid having the following physico-chemical properties:

(1) Molecular weight: 606 (FAB-MS)

(2) Molecular formula: C.sub.34 H.sub.54 O.sub.9 by EI-HRMS (Calcd. for C.sub.34 H.sub.54 O.sub.9 +Si.sub.6 C.sub.17 H.sub.51 [M.sup.+ +TMS.sub.6 --CH.sub.3 ] 1023.5905; found 1023.5860)

(3) IR (KBr) as seen in FIG. 1.

(4) .sup.1 H NMR in CD.sub.3 OD as seen in FIG. 2

(5) .sup.13 C NMR chemical shifts in CD.sub.3 OD at 400 MHz of: 13.5, 14.5, 20.2, 21.2, 22.4, 23.7, 24.1, 28.4, 30.7, 32.3, 33.1, 36.2, 38.1, 41.2, 42.1, 44.9, 65.7, 66.9, 73.3, 74.7, 76.4, 77.6, 78.0, 97.9, 107.3, 126.8, 127.0, 134.4, 134.7, 137.0, 138.5, 169.2, 169.7, 181.0 ppm.

(6) UV: .lambda.MeOH/max nm (E 1%/1 cm) 206(897), 238(897), 282(273)

(7) TLC: Silica gel 60 70:30 CH.sub.2 Cl.sub.2 :CH.sub.3 OH Rf 0.46;

and which is produced by the cultivation of strain Fusarium ATCC No. 20883.

3. An antifungal composition which comprises a compound of claim 2 in admixture with a biologically inert carrier with the aid of a surface active dispersing agent.

4. A composition according to claim 3 in which the carrier is a pharmaceutically acceptable carrier.

5. A method for inhibiting fungal growth which comprises applying to the site where growth is to be controlled, an antifungally effective amount of the compound of claim 2.



6. A process for producing the antibiotic compound of claim 2 comprising aerobically cultivating a culture of *Fusarium* ATCC No. 20883 in a medium comprising millet as a source of carbon and nitrogen and isolating the compound.